

Table of Aquifer Exemptions in Region 6

Region	Number	Basic Information										Location, delineation and Depths				Geology and Injectate Characteristics							Exemption Type, Criteria Cited and Approval Dates		
		Name of Owner/Operator	Street Address	City	State	Zip Code	Company	Business Type	Injection Well ID# or Area Permit #	Well Class	Injection Activity	Aquifer Exemption Location (Degrees Latitude or TSR)	Aquifer Exemption Location (Degrees Longitude)	Aquifer Exemption Delineation (areal extent, project boundary)	Aquifer Exemption Delineation (depths)	Well Depths	Injection Zone	Confining Zone	Formation Depth Thickness	Lithology	Water Quality	Injectate Characteristics	Program Revision Type (S or NS)	Regional Approval Date	Criteria Cited
6	1	Uranium Resources Inc. (URI)	12750 Merit Drive, Suite 1010 LB 12	Dallas	TX	75251	Uranium Resources Inc. (URI)	In-situ Uranium Mining	Rosita Mine - Area Permit # is UR02880. Well ID is WDW-250 Permit Status: Active	Class III	Dispose process waste, restoration waste and contaminate d rainfall from the in-situ leaching and recovery operations into the Lower Goliad Formation in Duval County, Texas		Longitude 98° 24' 17" West	Area of exemption is approx. 70 acres. The site is located at 11 miles northwest of the City of San Diego off State Highway 44 in Duval County, Texas	Top of zone exempted 140 ft (msl) Bottom of zone exempted 260 ft (msl)	5,450 ft	Injection Zone is approx. 4,400 to 5,500 ft, Thickness = 1000 ft with a net usable sand thickness of 470 ft, a permeability of 250 millidarcies, a porosity of about 30%.	Upper and Lower confining layers are clay and silt zones.	Thickness of exempted zone = 10 to 70 ft	Basal Goliad consist of bi-modal sands and gravel conglomerates with poor bed form development and have little sedimentary structure. Middle and Upper Goliad are finer grained sands with better sedimentary structure and bedform development and relict caliche cementation	1,750-2,000 mg/l TDS	alkaline leaching solution, non-ammonia with an oxidant. Injected Fluid Quality = 1,000-5,000 mg/l TDS, pH shall not be less than 9.5. Density shall not exceed a specific gravity of 1.05 s.s. measured at 68 degrees.	Non-substantial	State Recommendation (May 12, 1987), Regional Approval (September 10, 1987), State Approval (August 24, 1988), EPA HQ Approval (October 4, 1988)	40 CFR 144.7 (b), 145.32, and 146.04. Justification for Exemption: Aquifer is not a source of DW and will not serve as a source of DW in the future because it is producing or capable to produce minerals
6	2	Mobil Oil Corporation	PO Box 17772	Denver	CO	80217	Cogema Mining Inc.	In-situ Uranium Mining	El Mesquite Mine - Area Permit # is UR02155 UR02153 Four injection wells located in this area: U1-792, U1-942, U1-927, and U1-808. Permit Status: Revoked	Class III	Inject solution from in-situ mining process into the Middle Cataboula Formation in Duval County, Texas	Preferred Option -	-98.717	Lease Area is 2240 acres. Permit Area is 2134.78 acres. The site is located approx 6 miles east of Brunl in Share Nos. 1, 2, 3, 3A, 4, 5, 6, and 8 of the El Mesquite Grant and a part of the Santa Maria de Los Angeles de Abajo Grant in Duval County, Texas	Top of zone exempted 350 ft (msl) Bottom of zone exempted 400 ft (msl)	Well U1-792 (578 ft), Well U1-942 (557 ft), Well U1-927 (587 ft), and Well U1-808 (585 ft)	Middle Cataboula Formation or Solsdad Conglomerate	The Middle Cataboula production zone is overlain by the Chusa Tuff which is a thick clay section of the Cataboula Formation and underlies the Fant Tuff which is another effective aquiclude and extensive.	75 to 200 ft	The Middle Cataboula is separated from the Oakville Sandstone by the Upper or Chusa Tuff which is a thick clay section of the Cataboula Formation. Porosity (15-25%). Permeability (200-1000 md). Storage	fresh to moderately saline water	Alkaline solution and Barren solution from the processing plant where uranium is extracted by ion exchange.	Non-substantial	State Recommendation (March 9, 1984), Regional Approval (March 28, 1984)	40 CFR 144.7 (b), 145.32, and 146.04. Justification for Exemption: Aquifer is not a source of DW and will not serve as a source of DW in the future because it is producing or capable to produce minerals

6	3	Everest Exploration, Inc.	PO Box 1339	Corpus Christi	TX	78409	Everest Exploration, Inc.	In-situ Uranium Mining	Mt. Lucas West Mine - Area Permit # is UR02381. Permit Status: Revoked	Class III	Inject solution from in-situ mining process into the Lagarto Formation of Mt. Lucas West site, Live Oak County, Texas	28.18362	-97.93364	Lease area is 4360 acres. Permit Area is 6023 acres. The site is located in south central Texas in Live Oak County, approx. 3 miles south of Dinero, Texas along and northeast of State Highway 534, bounded on the east by the Nueces River and Lake Corpus Christi.	Goliad Formation: Top of zone exempted 200 ft (msl) Bottom of zone exempted 575 ft (msl) Lagarto Formation: 225 ft below mean sea level to 625 ft below mean sea level	Production Zone for Mt. Lucas West is located within the Lagarto Formation	The Lagarto Formation overlies the Oakville sandstone and is overlain by the Goliad sand.	Goliad Formation: 375 ft thick Lagarto Formation: 400 ft thick	The Goliad consists of clay, siltstone, and sandstone. The Lagarto consists primarily of clay, sandy and silty clay, and calcareous clay interbedded with somewhat thinner zones of sand. Porosity (20-25%), Permeability (2000 md), Storage	Water from the Lagarto has a higher chloride content. In some areas, the water quality of the mine zone aquifers has a higher Radium-226 level than is allowable by TX Dept. of Health standards for release to unrestricted areas.	Non-substantial	State Recommendation (February 15, 1984), Regional Approval (December 17, 1984)	40 CFR 144.7 (b), 145.32, and 146.04. Justification for Exemption: Aquifer is not a source of DW and will not serve as a source of DW in the future because it is producing or capable to produce minerals
6	4	TOTAL Minerals Corporation/ Malapai Resources Company	333 Clay Street - Suite 4800	Houston	TX	77002	Cogema Mining Inc.	In-situ Uranium Mining	Holiday Mine - Area Permit # is UR02156. Injection wells located in this area are WDW-150, WDW-151, WDW-197, WDW-198, WDW-199, and WDW-200. Permit Status: Revoked	Class III	Inject alkaline leaching solution along with an oxidant into the Soledad Member of the Cataboula Formation in Duval County, Texas.	27.40864	-98.742	Exempted Area is over 2033.5 acres of the Soledad member of the Cataboula Formation (Requested and extension of over 600 acres in the northwest corner of permit area.) The site is located 4.5 miles east of Bruni, TX, Section Nos. 13, 15, 20, 22, 23, 24, and 25 of the Cole Petroleum Company Subdivision of the Santa Maria de Los Angeles Grant in Duval County, Texas.	Top of zone exempted 600 ft (msl) Bottom of zone exempted 440 ft (msl)	Injection is limited to the Soledad Member of the Cataboula Formation	The Chusa Tuff, 175 ft to 200 ft thick, (the upper member of the Cataboula Formation) serves as the upper aquiclude. The Fant Tuff, 500 ft thick, (the lower member of the Cataboula Formation) serves as the lower	Approx. 100 ft The Soledad Member consists of four sand units. Other data of Cataboula sands: porosity (15-25%), permeability (200-1000 md), storage (1.0E-4)	1,170-1,860 mg/l TDS. 1,270-2,060 mg/l TDS. Livitiant is an oxygen rich, Sodium-bicarbonate anion solution.	Non-substantial	State Recommendation (January 23, 1990), Regional Approval (February 7, 1992)	40 CFR 144.7 (b), 145.32, and 146.04. Justification for Exemption: Aquifer is not a source of DW and will not serve as a source of DW in the future because it is producing or capable to produce minerals	
6	5	Uranium Resources Inc. (URI)	12377 Merit Drive, Suite 750, LB 14	Dallas	TX	75251	Uranium Resources Inc. (URI)	In-situ Uranium Mining	Benavides Mine - Area Permit # is UR02312. Permit Status: Production Never Initiated	Class III	Inject alkaline leaching solution along with an oxidant into the Middle Cataboula Formation in Duval County, Texas.	27.42531	-98.78366	Lease area is 337 acres. Permit Area is 223.86 acres. This site is located 3.5 miles east of Bruni, TX along the arroyo de Los Angeles in Sections 21 and 22 of the Santa Maria de Los Angeles de Arriba, Mariano Arriaga Grant in Duval County, Texas.	Top of zone exempted 550 ft (msl) Bottom of zone exempted 220 ft (msl)	Injection is limited to the Middle Cataboula Formation	The Chusa Tuff, 175 ft to 200 ft thick, (the upper member of the Cataboula Formation) serves as the upper aquiclude. The Fant Tuff, 500 ft thick, (the lower member of the Cataboula Formation) serves as the lower	Cataboula sands: porosity (15-25%), permeability (200-1000 md), storage (2.5E-4 to 10.3E-2)	fresh to moderately saline water	Alkaline, non-ammonia leaching solution	Non-substantial		40 CFR 144.7 (b), 145.32, and 146.04. Justification for Exemption: Aquifer is not a source of DW and will not serve as a source of DW in the future because it is producing or capable to produce minerals

6	11	Conoco, Inc.	10 Dots Drive - Suite 100W	Midland	TX	79705	Conoco, Inc.	Oil and Gas Company	Trevino Mine - Area Permit # is UR02407 Permit Status: Production Never Initiated	Injection for in-situ uranium mining only into the Oakville Formation	31.49731	-99.35776	This site is located in Duval County, Texas. Lease area (5750.69 acres). Permit area (742.7 acres)	Top of zone exempted 400 ft (msl) Bottom of zone exempted 125 ft (msl)					porosity (20-25%), permeability (940 md), storage (1.3E-4)	fresh to slightly saline water				
6	12	Everest Exploration, Inc.	PO Box 1339	Corpus Christi	TX	78403	Everest Exploration, Inc.	In-situ Uranium Mining	Hobson Mine - Area Permit # is UR02208 Permit Status: Revoked	Injection for in-situ uranium mining only into the Jackson Group of Whittsett Formation with Tordilla Sandstone	28.94526	-97.98811	This site is located in Karnes County, Texas. Lease area (182 acres). Permit area (182 acres)	Top of zone exempted 200 ft (msl) Bottom of zone exempted 175 ft (msl)					porosity (20-25%), permeability (200-1000 md), storage (4.0E-5)	fresh to moderately saline water				
6	13	Intercontinental Energy Corporation	Route 1, Box 650	Three Rivers	TX	78071	Intercontinental Energy Corporation	In-situ Uranium Mining	Pawnee Mine - Area Permit # is UR02050 Permit Status: Revoked	Injection for in-situ uranium mining only into the Oakville Formation in Bee County, Texas	28.65999	-97.969206	This site is located approx. 2.4 miles east of Pawnee and 0.25 mile north of CR 798 in Bee County, Texas. Lease area (325 acres). Permit area (110 acres)	Top of zone exempted 290 ft (msl) Bottom of zone exempted 10 ft (msl)	approx. 4,000 ft		Mineralized sands (probably uraninite) directly overlie the massive impermeable clays of the Cataboula formation, and are overlain by clays of the Oakville and Fleming formations.	Hydrologically, the mineralized horizon can be characterized as a moderately to well sorted, loosely consolidated sandstone or arkosic sandstone with porosity (20-25%), permeability (2000-19000 md), storage (2.0E-4)	fresh to moderately saline water					
6	14	Intercontinental Energy Corporation	Route 1, Box 650	Three Rivers	TX	78071	Intercontinental Energy Corporation	In-situ Uranium Mining	Zamzow Mine - Area Permit # is UR02106 Permit Status: Revoked	Injection for in-situ uranium mining only into the Oakville Formation	28.45718	-98.09141	This site is located on FM 1258 approx. 1 mile south of Ray Point in Karnes County, Texas. Lease area (316 acres). Permit area (316 acres)	Top of zone exempted 210 ft (msl) Bottom of zone exempted 150 ft (msl)										
6	15	Newfuels (Mobil Oil Corporation)	P.O. Box 5444	Denver	CO	80217	Mobil Oil Corporation	Oil and Gas Company	Piedra Lumbre 202 Mine - Area Permit # is UR02147 Permit Status: Revoked	Injection for in-situ uranium mining only into the Cataboula Soledad Member	27.95279	-98.66703	This site is located approx. 8 miles north of Freer in Brooks County, Texas. Lease area (156 acres). Permit area (156 acres)	Top of zone exempted 325 ft (msl) Bottom of zone exempted 35 ft (msl)					porosity (15-25%), permeability (200-1000 md), storage (1.0E-4)	fresh to moderately saline water				
6	16	Newfuels (Mobil Oil Corporation)	P.O. Box 5444	Denver	CO	80217	Mobil Oil Corporation	Oil and Gas Company	Brehm 199 Mine - Area Permit # is UR02148 Permit Status: Revoked	Injection for in-situ uranium mining only into the Cataboula Soledad Member	27.95279	-98.66703	This site is located approx. 9 miles north of Freer and 1 mile west of Hwy 16 in Brooks County, Texas. Lease area (165 acres). Permit area (165 acres)	Top of zone exempted 165 ft (msl) Bottom of zone exempted 170 ft (msl)					porosity (15-25%), permeability (200-1000 md), storage (1.0E-4)	fresh to moderately saline water				
6	17	Newfuels (Mobil Oil Corporation)	P.O. Box 5444	Denver	CO	80217	Mobil Oil Corporation	Oil and Gas Company	Piedra Lumbre 200-201 Mine - Area Permit # is UR02149 Permit Status: Revoked	Injection for in-situ uranium mining only into the Cataboula Soledad Member	27.95279	-98.66703	This site is located approx. 8 miles north of Freer in Brooks County, Texas. Lease area (192.7 acres). Permit area (192.7 acres)	Top of zone exempted 345 ft (msl) Bottom of zone exempted 55 ft (msl)					porosity (15-25%), permeability (200-1000 md), storage (1.0E-4)	fresh to moderately saline water				
6	18	Newfuels (Mobil Oil Corporation)	P.O. Box 5444	Denver	CO	80217	Mobil Oil Corporation	Oil and Gas Company	Piedra Lumbre 205 Mine - Area Permit # is UR02152 Permit Status: Revoked	Injection for in-situ uranium mining only into the Cataboula Soledad Member	27.95279	-98.66703	This site is located in Duval County, Texas. Lease area (94 acres). Permit area (94 acres)	Top of zone exempted 370 ft (msl) Bottom of zone exempted 85 ft (msl)					porosity (15-25%), permeability (200-1000 md), storage (1.0E-4)	fresh to moderately saline water				

6	23	USX Corp. - Texas Uranium Operations	Drawer V	George West	TX	78022	USX Corp.	Uranium Mining	Moser Mine - Area Permit # is URO1890 Permit Status: Revoked	Injection for in-situ uranium mining only into the Oakville Formation in Live Oak County, Texas	28.25608	-98.21091	This site is located approximately 8 miles southwest of George West on FM 889 in Live Oak County, Texas. Lease area (1249 acres). Permit area (1249 acres)	Top of zone exempted 280 ft (msl) Bottom of zone exempted 260 ft (msl)				porosity (20-25%), permeability (2000-19000 md), storage (2.0E-4)	fresh to slightly saline water					
6	24	USX Corp. - Texas Uranium Operations	Drawer V	George West	TX	78022	USX Corp.	Uranium Mining	Burns Moser Mine - Area Permit # are URO2140 URO2025 URO1890 Permits Status: Revoked	Injection for in-situ uranium mining only into the Oakville Formation in Live Oak County, Texas	28.24195	-98.19198	This site is located approximately ten miles southwest of George West, west of U.S. Highway 59 in Live Oak County, Texas. Lease area (1012.7 acres). Permit area (1012.7 acres)	Top of zone exempted 375 ft (msl) Bottom of zone exempted 25 ft (msl)				porosity (20-25%), permeability (2000-19000 md), storage (2.0E-4)	fresh to slightly saline water					
6	25	USX Corp. - Texas Uranium Operations	Drawer V	George West	TX	78022	USX Corp.	Uranium Mining	Clay West Mine - Area Permit # is URO2130 Permit Status: Revoked	Injection for in-situ uranium mining only into the Oakville Formation in Live Oak County, Texas	28.24639	-98.21252	This site is located in Live Oak County, Texas. Lease area (884 acres). Permit area (884 acres)	Top of zone exempted 300 ft (msl) Bottom of zone exempted 225 ft (msl)	Approx. 4,500 ft			porosity (20-25%), permeability (2000-19000 md), storage (2.0E-4)	fresh to slightly saline water					
6	26	USX Corp. - Texas Uranium Operations	Drawer V	George West	TX	78022	USX Corp.	Uranium Mining	Boots-Brown Mine - Area Permit # is URO2154 Permit Status: Revoked	Injection for in-situ uranium mining only into the Oakville Formation in Live Oak County, Texas	28.28558	-98.21561	This site is located in Live Oak County, Texas. Lease area (1025.3 acres). Permit area (1025.3 acres)	Top of zone exempted 100 ft (msl) Bottom of zone exempted 300 ft (msl)				porosity (20-25%), permeability (2000-19000 md), storage (2.0E-4)	fresh to slightly saline water					
6	27	USX Corp. - Texas Uranium Operations	Drawer V	George West	TX	78022	USX Corp.	Uranium Mining	Pawlik Mine - Area Permit # is URO2368 Permit Status: Revoked	Injection for in-situ uranium mining only into the Oakville Formation in Live Oak County, Texas			This site is located in Live Oak County, Texas. Lease area (1698 acres). Permit area (1671 acres)	Top of zone exempted 45 ft (msl) Bottom of zone exempted 430 ft (msl)				porosity (20-25%), permeability (2000-19000 md), storage (2.0E-4)	fresh to slightly saline water					
6	28	Uranium Resources Inc. (URI)	12750 Meritt Drive, Suite 1210 LB 12	Dallas	TX	75251	Uranium Resources Inc. (URI)	In-situ Uranium Mining	West Cole Mine - Area Permit # is URO2463 Permit Status: Revoked	Injection for in-situ uranium mining only into the Cataboula Soledad Member	27.50948	-98.85422	This site is located in Webb County, Texas. Lease area (680 acres). Permit area (620.31 acres)	Top of zone exempted 610 ft (msl) Bottom of zone exempted 335 ft (msl)				porosity (15-25%), permeability (200-1000 md), storage (2.5E-4 to 10.3E-2)	fresh to very saline water					
6	29	Uranium Resources Inc. (URI)	12750 Meritt Drive, Suite 1210 LB 12	Dallas	TX	75251	Uranium Resources Inc. (URI)	In-situ Uranium Mining	Longoria Mine - Area Permit # is URO2222 Permit Status: Production Never Initiated	Injection for in-situ uranium mining only into the Cataboula Soledad Member	27.37753	-98.78811	This site is located in Duval County, Texas. Lease area (2312.5 acres). Permit area (722 acres)	Top of zone exempted 192 ft (msl) Bottom of zone exempted 175 ft (msl)				porosity (15-25%), permeability (200-1000 md), storage (2.5E-4 to 10.3E-2)	fresh to moderately saline water					
6	30	Wyoming Minerals Corporation / Westinghouse (parent company)	P.O. Box 3912	Pittsburgh	PA	15236	Wyoming Minerals Corporation / Westinghouse (parent company)	In-situ Uranium Mining	Bruni Mine - Area Permit # is URO1942 Permit Status: Revoked	Over 1,720 injection ammonium carbonate/bicarbonate lixiviant from in-situ uranium mining into the Cataboula Formation in Webb County, Texas	27.50951	-98.85423	This site is located approx. 7 miles north of Bruni and immediate west of Highway 2050 in Webb County, Texas. Lease area (1480 acres). Permit area (1480 acres)	Top of zone exempted 720 ft (msl) Bottom of zone exempted 450 ft (msl)		Inject into the Cataboula Formation	The Ogilipocene Frio Clay underlies the Cataboula Formation.	Approx. 800 ft	slightly to very saline water	Ammonium carbonate/bicarbonate lixiviant				

6	31	Wyoming Minerals Corporation / Westinghouse (parent company)	Route 1, Box 650	Three Rivers	TX	78071	Wyoming Minerals Corporation / Westinghouse (parent company)	In-situ Uranium Mining	Lamprecht Mine - Area Permit # is UR01949 Permit Status: Revoked	Injection for in-situ uranium mining only into the Oakville Formation in Live Oak County, Texas	28.50111	-98.0567	This site is located on FM 1358, approx. 1 mile of Ray Point in Karnes County, Texas. Lease area (957 acres). Permit area (619.14 acres)	Top of zone exempted 120 ft (msl) Bottom of zone exempted 130 ft (msl)	Approx. 6,000 ft	The basal sandstone of the Oakville Formation is immediately overlying the Catahoula Formation claystone.	Approx. 75.5 ft	The Oakville Sandstone is a uniform textured, medium grained, well sorted sand composed of detrital quartz, feldspar and rock fragments (dominant) y siliceous volcanics) with porosity (20-25%), permeability (1000-20000 md), and storage (2.0E-4)	fresh to slightly saline water				
6	32	Wyoming Minerals Corporation / Westinghouse (parent company)	3900 Wadsworth Blvd	Lakewood	CO	80225	Wyoming Minerals Corporation / Westinghouse (parent company)	In-situ Uranium Mining	Benham Mine - Area Permit # is UR02307 Permit Status: Revoked	Injection for in-situ uranium mining only into the Oakville Formation			This site is located in Bee and Live Oak Counties, Texas. Lease area (1240 acres). Permit area (1240 acres)	Top of zone exempted 190 ft (msl) Bottom of zone exempted 15 ft (msl)			porosity (20-25%), permeability (1000-20000 md), storage (1.2E-3)	fresh to slightly saline water					
6	33	Shell Offshore Inc. - Offshore West Division / Nexen Petroleum U.S.A. Inc.	5601 Granite Parkway - Suite 140	Plano	TX	75259	Shell Offshore Inc.	Oil and Gas Company	Well ID # are: 74659, 120263, 125146	Class II Inject salt water into the geographic limits of the Eugene Island Block 18 Field, St. Mary Parish, Louisiana		An offshore Gulf of Mexico field on the St. Mary Parish, Louisiana. Being in the Gulf of Mexico, there is no section-township-range	The Eugene Island Block 18 Field is remotely located in the Gulf of Mexico, outside of Atchafalaya Bay with the nearest land being Point au Fer Island approx 9 miles east-southeast. The coastline area surrounding the field consists of marsh and wooded marsh. The nearest inhabited area is Patterson, approx. 15 miles north of the field.	9 to 1000 ft below the seafloor within the Eugene Island Block 18 Field	Well #74659 (10,400 ft), Well #120263 (10,510 ft), Well #125146 (10,530 ft)	Inject salt water into the geographic limits of the Eugene Island Block 18 Field, St. Mary Parish, Louisiana	Beds of clay of the Vicksburg-Jackson groups act as a barrier to the downward movement of water from the Miocene deposits.	Beds of clay of the Vicksburg-Jackson groups act as a barrier to the downward movement of water from the Miocene deposits.	not fewer than 10,000 mg/l TDS except for the interval between 0 to 1,000 ft below the seafloor	salt water	Non-substantial	Regional Approval (November 1, 1988)	40 CFR 146.04. Justification for Exemption: Aquifer does not currently serve as a source of drinking water and the total dissolved solids content of the groundwater is more than 3,000 and less than 10,000 mg/lit and it is not reasonably expected to supply a public water system.
6	34	Freeport Sulphur Company	1615 Poydras Street	New Orleans	LA	70112	Freeport Sulphur Company	Sulphur Mining Company	Freeport Sulphur Company has 83 Class III wells in the area; however, all are plugged and abandoned.	Class III This is a former sulphur mining operation that used Class III solution mining injection wells to mine the sulphur caprock of a salt dome. Inject into the Grand Isle Block 18 Sulphur Mine, Jefferson Parish.		An offshore Gulf of Mexico field on the Jefferson Parish-Plaquemines Parish border, Louisiana. Being in the Gulf of Mexico, there is no section-township-range	The exempted aquifer is known as State Lease 797 and located in Block 9, Offshore Grand Isle Area in Jefferson Parish, Louisiana		Inject into the Grand Isle Block 18 Sulphur Mine, Jefferson Parish, Louisiana.		less than 10,000 mg/lit but greater than 3,000 mg/l TDS	sulphur mining solution	Non-substantial	Regional Approval (February 4, 1985)	40 CFR 146.04. Justification for Exemption: Aquifer does not currently serve as a source of drinking water and the total dissolved solids content of the groundwater is more than 3,000 and less than 10,000 mg/lit and it is not reasonably expected to supply a public water system.		

6	35	Freeport Sulphur Company	1615 Poydras Street	New Orleans	LA	70112	Freeport Sulphur Company	Sulphur Mining Company	There are approximately 400 Class III wells belong to Freeport Sulphur Company in the area; however, all are either dry & plugged or abandoned.	Class III	This is a former sulphur mining operation that used Class III solution mining injection wells to mine the sulphur caprock of a salt dome. Inject into the Garden Island Bay Field, Plaquemine Parish,	Sections 106, 106, 107, 108, and 49 of Township 23 S, Range 32 E	Located at the mouth of the Mississippi River.	The exempted aquifer is known as State Lease 214 and located in Plaquemine Parish, Louisiana						less than 10,000 mg/l but greater than 3,000 mg/l TDS	sulphur mining solution	Non-substantial	Regional Approval (February 4, 1985)	40 CFR 146.04. Justification for Exemption: Aquifer does not currently serve as a source of drinking water and the total dissolved solids content of the groundwater is more than 3,000 and less than 10,000 mg/lit and it is not reasonably expected to supply a public water system.
6	36	There are many owners/operators operating wells in this field. Major owners/operators are Four Star Development Corp., S.H. Loe Oil Corp., Shoreline GP - LLC., Page Development - LLC.,	Four Star Development Corp. (114 30TH Avenue South), S.H. Loe Oil Corp. (PO Box 148), Shoreline GP - LLC. (3861 Ambassador Caffery Parkway), Page Development - LLC. (PO Box 142)	Four Star Development Corp. (Nashville), S.H. Loe Oil Corp. (Tullos), Shoreline GP - LLC. (Lafayette), Page Development - LLC. (Calvin)	Four Star Development Corp. (TN), S.H. Loe Oil Corp. (LA), Shoreline GP - LLC. (LA), Page Development - LLC. (LA)	Four Star Development Corp. (37212), S.H. Loe Oil Corp. (71479), Shoreline GP - LLC. (70503), Page Development - LLC. (71410)	Oil and Gas Company	There are 98 active wells currently injecting into the Tullon-Urania field in Grant, LaSalle, and Winn Parishes, Louisiana.	Class II	Only produced fluids from the Sparta and Wilcox formations related to oil and gas production can be injected into the exempted aquifer of the Tullon-Urania field, Grant, LaSalle, Winn Parishes, Louisiana.	Well locations in Grant Parish: Sections 09, 10, 14, 17, and 18, Township 09 N, Range 1 E. LaSalle Parish: Section 02, Township 09 N, Range 1 E; Sections 13, 23, 24, 25, 26, 35, and 36, Township 10 N, Range 1 E; Sections 07, 08, 17, 18, 19, 20, and 30, Township 10 N, Range 2 E Winn Parish: Sections 23 and 26, Township 10 N, Range 1 E	This area is located in Grant, LaSalle, and Winn Parishes, Louisiana.	732 ft to 1338 ft	There are 98 active injection wells, majority with a depth of approx. 1,600 ft. Only two or more have a depth of 4,000 ft.	Inject into the exempted aquifer of the Tullon-Urania field, Grant, LaSalle, Winn Parishes, Louisiana.		The Sparta is a sandstone formation.	less than 10,000 mg/l but greater than 3,000 mg/l TDS	salt water	Substantial	State Recommendation (November 24, 1987), EPA Approval (September 20, 1988)	40 CFR 146.04. Justification for Exemption: Aquifer does not currently serve as a source of drinking water and the total dissolved solids content of the groundwater is more than 3,000 and less than 10,000 mg/lit and it is not reasonably expected to supply a public water system.		
6	37	Meridian Oil Inc.	PO Box 4289	Farmington	NM	87499	Meridian Oil Inc.	Oil and Gas Company	Jilison Well No. 1 API Well No. is 30-039-25465	Class II	disposing produced salt water into the Entrada Formation through perforations from approx. 8,441 ft to 8,483 ft.	The exemption is specific to this portion of the Entrada Formation that underlies the SW1/4 of the SW1/4 of Section 4, the S1/2 of Section 5, the SE1/4 of the SW1/4 of Section 6, all of Sections 7 and 8, the W1/2 of the W1/2 of Section 9, the N1/2 of the N1/2 of Section 17 and the NE1/4 of Section 18 of Township 24 N, Range 3 W in the Rio Arriba County, New Mexico.	The exempted area is approx. 1440 acres. This well is located approx. 6 miles west-northwest of Lindrieth, Rio Arriba County, New Mexico.	Subsurface depth interval of zone: 8404 ft to 8672 ft	TD @ 8800 ft	Entrada Formation	The Upper Triassic Chiale Formation unconformably underlies the Entrada Formation throughout the San Juan Basin. The Chiale is approx. 768 ft thick and consists of primarily shales with minor interbeds of sandstone and siltstone. The Entrada also is overlain by 14 ft of Todilto sealing limestone, anhydrite,	Thickness of the exempted zone is approx. 268 ft.	The Entrada consists of three members: a lower sandstone member (the Trachito), a middle siltstone member, and an upper sandstone member.	less than 10,000 mg/l TDS, approx. 7,730 mg/l TDS. Elevated groundwater salinities in the Entrada Sandstone are attributable to solution of gypsum from the overlying Todilto Limestone.	Produced salt water	Non-substantial	Regional Approval (March 15, 1995)	40 CFR 146.04. Justification for Exemption: Aquifer does not currently serve as a source of drinking water and the total dissolved solids content of the groundwater is more than 3,000 and less than 10,000 mg/lit and it is not reasonably expected to supply a public water system.

5	38	Pride Energy Company	Kennington Tower 2250 East 73rd Street - Suite 550	Tulsa	OK	74136	Pride Energy Company	Energy Producer	San Idro Shallow Unit Well No. 7-11	Class II	Inject salt water into a portion of the Menefee member of the Mesaverde Formation in Sandoval County, New Mexico.	W1/2 of the E1/2 and W1/2 of Section 7, the N1/2 of the NW1/4 of Section 18, Township 20 N, Range 2 W, and the E1/2 of the E1/2 of Section 12, Township 20 N, Range 3 W in Sandoval County, New Mexico.	This site is located 8 miles southwest of Cuba, Sandoval County, New Mexico. The area exempted is approx. 720 acres.	Approx. 4872 ft to 5452 ft	4590 ft	Injection at a depth of 2438 ft to 2624 ft	The basal part of the Mesaverde Formation is interbedded with the Mancos Shale. The Chacra underlies the top of Mesaverde.	Approx. 580 ft	The Mesaverde Formation consists of, in ascending order, the Point Lookout Sandstone, Menefee, and Cliff House Sandstone.	less than 10,000 mg/l TDS	salt water less than 10,000 mg/l TDS	Non-substantial	State Recommendation (April 30, 1997); Regional Approval (June 27, 1997)	40 CFR 146.04. Justification for Exemption: Aquifer does not currently serve as a source of drinking water and the total dissolved solids content of the groundwater is more than 3,000 and less than 10,000 mg/lit and it is not reasonably expected to supply a public water system.
6	39	Oklahoma Corporation Commission	2101 North Lincoln Boulevard	Oklahoma City	OK	73105	Oklahoma Corporation Commission	Governor's Agency	Injection wells located in this area: Robco #1, Soward #1, Bray #2, Neal #1, Duncan #1, Randall #10, Quest A #1, Robertson #10, Robertson #18, Sutton B #1, Roberts #2R, Starrett #1	Class II	Inject salt water into the Bebee Field of the Viola and Simpson Aquifers in Seminole, Pottawatomie, and Pontotoc Counties, Oklahoma.	The area comprising the S/2 of Section 24, the N/2 of Section 25, and the N/2 S/2 of Section 25, Township 5 N, Range 4 E in Pontotoc County, Oklahoma. The area comprising the S/2S/2 of Section 29, the S/2 SW/4 of Section 28, the N/2 and N/2 S/2 of Section 32, the NW/4 of Section 33, and the N/2 SW/4 of Section 33, Township 5 N, Range 5 E in Pontotoc County, Oklahoma.	The approved Viola and Simpson exempted aquifers underlie portions of Seminole, Pottawatomie, and Pontotoc Counties, Oklahoma. The area of exemption is 7840 acres.	The depth of the Viola and Simpson Aquifers in this area is approx. 2,500 ft.	Robco #1 (2,864 ft), Soward #1 (2,738 ft), Bray #2 (2,633 ft), Neal #1 (2,660 ft), Duncan #1 (2,650 ft), Randall #10 (2,700 ft), Quest A #1 (2,640 ft), Robertson #10 (2,696 ft), Robertson #18, Sutton B #1 (2,520 ft), Roberts #2R (2,661 ft), Starrett #1 (2,490 ft).	Viola Aquifer: top surface 1276 to 1550 ft below sea level	There are 90 to 150 ft of Sylvan Shale directly above the Viola Formation. The Sylvan Shale is thicker than any fault throw except for the 500 ft throw of the long westside fault.	The thickness of the Viola ranges from 90 to 200 ft.	The Viola is composed of limestones and dolomites with little or no clastic deposits such as shale and sand.	less than 10,000 mg/l TDS	produced water less than 10,000 mg/l TDS and not more than 4,430 mg/l TDS	Non-substantial	State Recommendation (April 15, 1988); Regional Approval (January 2, 1989)	40 CFR 144.7 (b), 145.32, and 146.2. Justification for Exemption: (a) Aquifer is not currently used as a drinking water supply, and (b) The aquifer cannot now and will not in the future serve as a source of DW in the future because it is mineral, hydrocarbon, or geothermal energy producing, or can be demonstrated by a permit applicant as part of a permit application for a Class II or III operation to contain minerals or hydrocarbons that considering their quality and location are expected to be commercially producible.

Matrix Legend

Basic Information

- Name of Owner or Operator and Address (A)
- Company and Business Type (B)
- Injection Well ID # or Area Permit # (C)
- UIC Well Classification and Injection Activity (A description of injection activities, e.g. hazardous waste disposal into an aquifer exempted for mineral production.

Location, Delineation and Depths

- Aquifer Exemption Location (Lat/Long and or Township, Section and Range) (E)
- Aquifer Exemption Delineation (Areal Extent, Project boundary and Depths) (F)

Geology and Injectate Characteristics

- Well Depths, Subsurface Formation Names (Injection Zone and Confining Zones) (G)
- Injection Zone Hydrology parameters (Formation Depth, Thickness, Lithology and Water Quality) (H)
- Injectate Characteristics (I)

Exemption Type, Criteria Cited, Approval Dates

- Type Program Revision for Exemption (Substantial or Non-Substantial) (J)
- Approval Dates (State Recommendations and Regional Approval or Concurrence) (K)
- Criteria Cited (e.g., 40 CFR 146 (a) through (c)). Note: Under 146 (c), please check on the validity of the 45 day clock of automatic approval at § 145.32 and 144.7 (b)(3) (L)

